

ABSTRACT

A spinning preparation machine includes a drafting device for drafting at least one fiber sliver. The machine includes a microwave sliver thickness sensor through which the fiber sliver is guided, the sensor disposed at the inlet or outlet, or both, of the drafting device and includes at least one cavity resonator defined by a resonator wall. A device or system is incorporated with the sensor for minimizing temperature-conditioned deformations of the resonator during measurement of sliver thickness.